

Langley DAAC Archived GTE PEM Tropics DC-8 Aircraft Measurements as of November 19, 1998

granule name	PI	Species or Quantity Measured	Flights data available
ptdc8_aer_situ_**	Anderson	<ul style="list-style-type: none"> ultra-fine CCN; number density; non-volatile; >0.004-1nm fine CCN; number density; non-volatile; >0.015-1nm fine CCN; number density; volatile; >0.015-1nm ratio of fine volatile to non-volatile 	3, 4, and 7 through 19
ptdc8_rono2_gs_gc_**	Atlas	alkyl nitrates, halocarbons	3 through 19
ptdc8_so2dms_**	Bandy	dimethyl sulfide (DMS) (CH ₃ SCH ₃), sulfur dioxide (SO ₂)	3 through 19
ptdc8_nmhc_gs_gc_**	Blake	non-methane hydrocarbons, halocarbons	3 through 19
ptdc8_no2_pf_lif_**	Bradshaw	Nitrogen Dioxide (NO ₂)	3 through 19
ptdc8_no_lif_**	Bradshaw	nitric oxide (NO)-measurement period value, precision, uncertainty, and values outside measurement range during measurement period	3 through 19
ptdc8_o3_cross_**	Browell	Composite Tropospheric O ₃ cross-sections	3-19
ptdc8_o3_column_**	Browell	Tropopause heights O ₃ columns	3-19
ptdc8_o3_comp1_**	Browell	Comparison of in situ to remote O ₃ mixing ratios	3-9, 11-19
ptdc8_o3_comp2_**	Browell	Comparison of in situ to remote O ₃ mixing ratios	3-7, 11-18
ptdc8_o3_comp3_**	Browell	Comparison of in situ to remote O ₃ mixing ratios	7, 11, 15, 16, 17
ptdc8_aer_nir_dial_**	Browell	nadir infrared aerosol scattering ratio	14, 15
ptdc8_aer_nv_dial_**	Browell	nadir visible aerosol scattering ratio	3 through 13 and 16 through 19
ptdc8_aer_zir_dial_**	Browell	zenith infrared aerosol scattering ratio	14
ptdc8_aer_zv_dial_**	Browell	zenith visible aerosol scattering ratio	3 through 13 and 15 through 19
ptdc8_o3_n_dial_**	Browell	nadir ozone profiles	3 through 19
ptdc8_o3_z_dial_**	Browell	zenith ozone profiles	3 through 19
ptdc8_o3_situ_**	Gregory	ozone (O ₃)	3 through 19
ptdc8_perox_hplcf_**	Heikes	peroxide (H ₂ O ₂), methylhydroperoxide (CH ₃ OOH)	3 through 19
ptdc8_coco2ch4n2o_**	Sachse	carbon monoxide (CO), carbon dioxide (CO ₂), methane (CH ₄), nitrous oxide (N ₂ O)	3 through 19
ptdc8_h2o_tdl_**	Sachse	water vapor (H ₂ O)	3 through 19
ptdc8_j_**	Shetter	total photolysis rates of j(NO ₂), j(O ₃), j(HNO ₂), j(HNO ₃), j(H ₂ O ₂), j(CH ₂ O), j(CH ₃ OOH), j(CH ₃ ONO ₂), j(PAN), j(CH ₃ CH ₂ ONO ₂), j(CH ₃ COCH ₃)	3-19
ptdc8_pan_ecgc_**	Singh	peroxyacetyl nitrate (PAN), C ₂ C ₁₄ ,	3 through 19

		organic nitrates	
ptdc8_acidgas_mc_**	Talbot	acetic acid, formic acid, nitric acid gases	3 through 19
ptdc8_aer_comp_**	Talbot	chloride, nitrate, sulfate, oxalate, methylsulfonate, ammonium, potassium, sodium, calcium, magnesium, beryllium-7	3 through 19
ptdc8_nav_met_**	Project	Julian day, seconds elapsed during day, latitude, longitude, pressure altitude, dew point, static temperature, surface temperature, static pressure, zenith j(NO ₂) flux, nadir j(NO ₂) flux	3 through 19

Note: The ** in the granule name is replaced by the two-digit flight number for a granule.

